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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/431,640	11/01/1999	DENNIS JAMES HERRELL	1001-0062	9015
22120	7590	08/10/2004	EXAMINER	
ZAGORIN O'BRIEN & GRAHAM, L.L.P.			TRAN, THANH Y	
7600B N. CAPITAL OF TEXAS HWY.				
SUITE 350			ART UNIT	PAPER NUMBER
AUSTIN, TX 78731			2822	

DATE MAILED: 08/10/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/431,640

Applicant(s)

HERRELL, DENNIS JAMES

Examiner

Thanh Y. Tran

Art Unit

2827

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 27 May 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 and 23-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1-15, 23, 24, 29 and 30 is/are allowed.
- 6) ☒ Claim(s) 25, 27 and 28 is/are rejected.
- 7) ☒ Claim(s) 26 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 May 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 25 and 27-28 are rejected under 35 U.S.C. 102(e) as being anticipated by Aekins (U.S. 6,057,743).

As to claims 25 and 27, Aekins discloses an electrical assembly (Fig. 1) comprising: traces (22, 24, 26, 28) extending toward respective off-assembly connections; and means (30a, 30b, 30c) defined along the traces (22, 24, 26, 28) for inducing compensating cross-talk signals having an opposing polarity to initial cross-talk signals (initial cross-talk signals are input signals indicated at 11, 12, 13 and 14 in figure 1) that are associated with mutual coupling between adjacent off-assembly connections (see Fig. 1, col. 3, lines 18-39; col. 4, lines 15-57; and col. 5, lines 5-24).

As to claim 28, Aekins discloses an electrical assembly (see Fig. 1) wherein the means (30a, 30b, 30c) for inducing compensating cross-talk signals define at least a portion of a cross-talk compensation circuit (see Fig. 1, col. 4, lines 15-57; and col. 5, lines 5-25).

Allowable Subject Matter

3. Claims 1-15, 23-24 and 29-30 are allowed.

The following is a statement of reasons for the indication of allowable subject matter: claims 1, 23 and 29 recite, inter alia, "An electrical assembly comprising electrical traces traversing apertures defined in the voltage plane of the assembly to inductively couple compensating crosstalk signals having opposing polarity to the original crosstalk signal"; in the combination with other claimed features.

Claim Objections

4. Claim 26 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Response to Arguments

5. Applicant's arguments filed 5/27/04 have been fully considered but they are not persuasive.

Applicant argued that Aekins fails to teach or suggest means defined along the traces for inducing compensating crosstalk signals associated with mutual coupling between adjacent of the off-assembly connections.

In response, the Examiner disagrees with Applicant's argument because Aekin clearly discloses in figure 1 an electrical assembly comprising means (30a, 30b, and 30c) defined along the traces (22, 24, 26, 28) for inducing compensating crosstalk signals (see col. 4, lines 16-55, also see col. 5, lines 5-24), wherein the compensating crosstalk signals inherently having opposing polarity to initial signal with mutual coupling between adjacent of the off-assembly connections.

Conclusion

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Contact Information

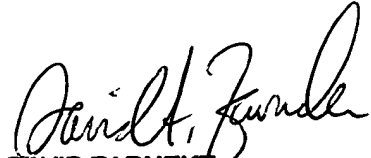
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh Y. Tran whose telephone number is (571) 272-2110. The examiner can normally be reached on Monday through Thursday and on alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo, can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-3431.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

TYT

8/2/04


DAVID ZARNEKE
PRIMARY EXAMINER
8/4/04